



The State of New Hampshire  
**Department of Environmental Services**



Michael P. Nolin  
Commissioner

Mr. Tom Kruzshak  
New Hampton Village Precinct  
P.O. Box 506  
New Hampton, NH 03256

March 2, 2006  
**Letter of Deficiency**  
DSP#06-007

RE: Gordon Hill Water Supply Pond Dam #173.02, New Hampton

Dear Mr. Kruzshak:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that play a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 302.02, an inspection of the subject dam was conducted on September 1, 2005. During this visual inspection and/or file review, the following deficiencies were observed:

1. Although the water level was down several feet, the stoplogs that were installed were within 1 foot of the top of the dam;
2. There was a spill on the concrete spillway floor located approximately 5 feet downstream of the stoplogs;
3. There was minor brush growth at both the left and right ends of the upstream concrete face of the dam and at the toe of the embankment adjacent to the spillway discharge channel;
4. There is an approximately 75 foot long section of earth located along the right bank of the impoundment beginning at the right end of the concrete wall that appears to be an earth embankment. It is unknown if this is fill or natural ground, however, based on its configuration this area should be kept clear of trees and brush. The impoundment slope and crest of this area is mowed, however, the downstream slope has trees and brush;
5. The Emergency Action Plan (EAP) was last tested and updated in October of 2002; and
6. The operation and maintenance plan (O&M) dated May 2002 needs to be reviewed and updated if necessary.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

**Immediately:**

1. Remove enough stoplogs such that there is a minimum of 2 feet 10 inches from the top of the dam to the top of the stoplogs. This configuration must be maintained at all times. If the New Hampton Village Precinct finds that this configuration does not provide adequate storage capacity for the water system, a plan must be submitted to increase storage. There are several options available to the District to increase storage which should be researched. They included but are not limited to dredging, raising the dam, or installing a liner to reduce groundwater losses. If you do not comply with this item of deficiency you will be operating your dam in violation of Revised Statutes Annotated (RSA) Chapter 482, and Administrative Rules Env-Wr 100-700;

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DES will be conducting a site inspection within 2 weeks to verify that the stoplogs have been removed. There will be periodic site visits conducted after our initial 2 weeks inspection.

**September 1, 2006:**


2. Remove the brush from both ends of the upstream face of the dam, adjacent to the toe of the spillway discharge channel, and along the downstream slope of the 75 foot long earth embankment located along the right bank of the impoundment;
3. Test and update the EAP. If you require assistance with the testing and updating of your EAP you can contact Bethann McCarthy, P.E., our EAP Coordinator; and
4. Review and update the O&M plan.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. Please call or write to our office if the repairs are completed ahead of the aforementioned schedule so that DES may schedule a follow-up inspection. Unless notified otherwise, DES will conduct the follow-up inspection on or after the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the bottom of the previous page.

Sincerely,

  
Jeffrey M. Blaney, P.E.  
Dam Safety Engineer

Attachments: Copy of O&M Plan, DB8, DB13  
cc: Gretchen R. Hamel, Legal Unit Administrator ✓  
Bethann McCarthy, P.E., EAP Coordinator  
Town of New Hampton

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